

# BVD 2006 CONFERENCE ORAL PRESENTATIONS

## “BVD CONTROL; THE FUTURE IS NOW”

Grand Ballroom II, Adam's Mark Hotel, Denver, January 29 - 31

**January 30, Monday**

**Moderators: Hana Van Campen and Edward Dubovi**

**Session 1: Control Strategies & Programs**

<b>Time</b>	<b>No.</b>	<b>TITLES / AUTHORS</b>
<b>Monday</b>	<b>1</b>	
<b>8:00am - 8:55</b>	<b>Keynote</b>	Norway's BVD Program: A Success Story and Lessons Learned. Paul S. Valle, Norwegian School of Veterinary Science, Oslo, Norway
<b>8:55 - 9:30</b>	<b>2</b>	Colorado's Leap Into Voluntary BVD Control. James A. Kennedy, DVM, MS. Colorado State University Veterinary Diagnostic Lab. Rocky Ford Branch, Rocky Ford, Colorado 81067
<b>9:30 - 10:00</b>	<b>3</b>	A summary of test results, surveillance and biosecurity for dairy herds participating in the NYS Cattle Health Assurance Program whole herd BVDV eradication program between January 2002 and October 2005. Belinda Thompson <sup>a*</sup> , Edward Dubovi <sup>a</sup> , Isabelle Schweitzer <sup>a</sup> , and John Huntley <sup>b</sup> <sup>a</sup> Animal Health Diagnostic Center, College of Veterinary Medicine, Cornell University, <sup>b</sup> NYS Agriculture and Markets, Division of Animal Industry, Albany, NY
<b>10:00 - 10:30</b>	<b>Break</b>	<b>Sponsored by Novartis</b>
<b>10:30 - 11:00</b>	<b>4</b>	Voluntary BVDV Screening Pilot Program. Annette O'Connor <sup>1</sup> , Steve Sorden <sup>2</sup> , Thomas Denagamage <sup>1</sup> <sup>1</sup> Veterinary Diagnostic and Production Animal Medicine, College of Veterinary Medicine, Iowa State University, P O Box 3020, Ames, Iowa 50010. <sup>2</sup> Department of Veterinary Pathology, College of Veterinary Medicine, Iowa State University, P O Box 3020, Ames, Iowa 50010
<b>11:00 - 11:30</b>	<b>5</b>	Achievements of the European BVDV Control network. Lindberg, A. <sup>1*</sup> , Sandvik, T. <sup>2</sup> , Moennig, V. <sup>3</sup> , Brownlie, J. <sup>4</sup> , Saatkamp, H. <sup>5</sup> , Gunn, G. <sup>6</sup> , Houe, H. <sup>7</sup> , Valle, P. <sup>8</sup> <sup>1</sup> Swedish Dairy Association, P.O.Box 7054, SE-750 07 Uppsala, Sweden. <sup>2</sup> Veterinary Laboratories Agency, Weybridge, New Haw, Addlestone, Surrey KT15 3NB, UK. <sup>3</sup> Institute of Virology, School of Veterinary Medicine, D-30559 Hannover, Germany. <sup>4</sup> Department of Pathology and Infectious Diseases, The Royal Veterinary College, Hawkshead Lane, North Mymms, Hatfield, Hertfordshire AL9 7TA, UK. <sup>5</sup> Business Economics Group, Department of Social Sciences, Wageningen University, Hollandseweg 1, 6706 KN Wageningen, The Netherlands. <sup>6</sup> SAC Epidemiology Research Unit, Animal Health Group, SAC Research, Kings Buildings, Edinburgh EH9 3JG, UK. <sup>7</sup> Department of Large Animal Sciences, Section for Veterinary Epidemiology, The Royal Veterinary and Agricultural University, DK-1870 Frederiksberg C, Denmark <sup>8</sup> Department of Large Animal Clinical Sciences, The Norwegian School of Veterinary Sciences, Post Box 8146, Dep., N-0033 Oslo, Norway

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## BVD - January 30, Monday

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### Session 1: Control Strategies & Programs

#### TITLES / AUTHORS

Time	No.	
<b>Mon.</b>		
<b>11:30am - 12:00</b>		<p>Moderator: Hana Van Campen, Colorado State University</p> <p>Panel of speakers.</p> <p>Point/Counterpoint debate: Can we accomplish BVD eradication in North America? What is the best strategy for BVD control in N.A.?</p>
<b>12:00 - 1:30pm</b>	<b>Lunch</b>	<b>Lunch Break &amp; Posters: Sponsored by Schering-Plough</b>
		<b>Session 2: Diagnosis &amp; Surveillance</b>
<b>Monday</b>	<b>6</b>	Evaluation of Diagnostic Tests for Detection of Bovine Viral Diarrhea Virus Persistently Infected Cattle in a Feedlot and Prevalence of BVDV1a, 1b, and 2a subtypes. Robert W. <b>Fulton</b> , DVM, PhD Professor, Department of Veterinary Pathobiology, Center for Veterinary Health Sciences, Oklahoma State University, Stillwater, OK 74078
<b>1:30pm - 2:00</b>		
<b>2:00 - 2:20</b>	<b>7</b>	Pooled PCR on Skin Extract as a strategy for BVDV screening. <b>Steffen</b> DJ, Brodersen BW, Galeota JA, Smith, DR, Rupp GA, Kelling CL. Department of Veterinary and Biomedical Sciences University of Nebraska-Lincoln, Lincoln NE, 68583-0907
<b>2:20 - 2:40</b>	<b>8</b>	High-throughput Viral RNA Isolation and Quantitative Real-Time RT-PCR Assay for Highly Sensitive Detection of BVDV. A. M. <b>Burrell</b> <sup>1*</sup> , R.C. Willis <sup>1</sup> , Q. Hoang <sup>1</sup> , K. Evans <sup>1</sup> , W. Xu <sup>1</sup> , M. A. Bounpheng <sup>1</sup> , and X. Fang <sup>1 1</sup> Ambion, Inc., Austin, TX
<b>2:40 - 3:10</b>	<b>Break</b>	<b>Sponsored by Novartis</b>
<b>3:10 - 3:40</b>	<b>9</b>	Surveillance strategies for BVDV. *Cheryl <b>Waldner</b> DVM PhD. Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, Saskatchewan CANADA
<b>3:40 - 4:10</b>	<b>10</b>	A ring test to validate BVDV serological assays. T. <b>Sandvik</b> . Veterinary Laboratories Agency (Weybridge), Addlestone, Surrey KT15-3NB, United Kingdom.
<b>4:10 - 4:40</b>	<b>11</b>	A Unique BVDV Screening and Identification Protocol. Gary <b>Rosenberg</b> * and Bruce Hoffman. Animal Profiling International, Portland, Oregon
<b>4:40 - 5:10</b>		Moderator: Edward Dubovi, Cornell University Discussion
<b>5:10 - 7:00</b>		<b>Cocktails and Posters</b>
<b>Mon.</b>	<b>Dinner</b>	<b>Sponsored by Pfizer</b>
<b>7:00 pm</b>		

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## BVD - January 31, Tuesday

**Moderators: Julia Ridpath, Rob Tremblay and Robert Fulton**

### Session 3: BVD Vaccines

<b>Time</b>	<b>No.</b>	<b>TITLES / AUTHORS</b>
<b>Tues. 8:00am - 8:45</b>	<b>12</b>	Immunology of BVDV Vaccination. James A. <b>Roth</b> , DVM, PhD, Diplomate ACVM, College of Veterinary Medicine, Iowa State University, Ames, Iowa State University
<b>8:45 - 9:00</b>	<b>13</b>	BVD Vaccination Programs: Field Trials and Serology. Robert <b>Tremblay</b> <sup>1</sup> and Craig Jones <sup>2</sup> . <sup>1</sup> Boehringer Ingelheim (Canada) Ltd, 5180 South Service Road, Burlington, ON L7L 5H4; <sup>2</sup> Boehringer Ingelheim Vetmedica Inc, 2621 N Belt Highway, St Joseph, MO 64506
<b>9:05 - 9:25</b>	<b>14</b>	Overcoming Maternal Antibody Interference with an Adjuvanted MLV BVDV Vaccine. A <b>Zimmerman</b> <sup>1</sup> , R Boots <sup>1</sup> , L Valli <sup>2</sup> , CCL Chase <sup>1,3</sup> . <sup>1</sup> Rural Technologies, Inc., Brookings, SD; <sup>2</sup> Wyeth Animal Health, Guelph, ON; <sup>3</sup> Department of Veterinary Science, South Dakota State University, Brookings, SD
<b>9:25 - 9:45</b>	<b>15</b>	Rapidity of Protection Following Vaccination Against BVDV. <sup>1</sup> K. <b>Brock*</b> , <sup>1</sup> P. Walz, <sup>2</sup> P. Widel <sup>1</sup> Auburn University College of Veterinary Medicine and <sup>2</sup> Boehringer Ingelheim Vetmedica Inc.
<b>9:45 - 10:15</b>	<b>Break</b>	<b>Sponsored by IDEXX</b>
<b>10:15 - 10:50</b>	<b>16</b>	The Evolution of USDA Requirements for Testing BVDV Vaccines for Fetal Protection. Donna M. <b>Gatewood</b> , DVM, MS, Section Leader, Virology, Policy, Evaluation, and Licensing, USDA/APHIS/VS/CVB
<b>10:50 - 11:10</b>	<b>17</b>	A novel BVDV 1 subgenotype detected in a closed beef herd in California 2005. Beate <b>Crossley*</b> , Julia Ridpath, Bradd Barr, Pam Hullinger, Sharon Hietala
<b>11:10 - 11:30</b>	<b>18</b>	Title: Prevalence of BVD infection in cow/calf units in Western Australia. Enoch <b>Bergman</b> , DVM. Swans Veterinary Services
<b>11:30 - 12:00pm</b>	<b>Moderator: Julia Ridpath, USDA</b>	
	<b>Discussion:</b> What is the role of vaccines in BVD control?	
<b>Tues. 12:00 - 1:30pm</b>	<b>Lunch</b>	<b>Lunch Break &amp; Posters: Sponsored by Fort Dodge/Wyeth</b>

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## BVD - January 31, Tuesday

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### TITLES / AUTHORS

<b>Time</b>	<b>No.</b>	<b>Session 4: BVD in other Species</b>
<b>Tues.</b>		
<b>1:30pm - 1:50</b>	<b>19</b>	Acute BVDV infections in non bovine species. J.F. <b>Ridpath</b> <sup>a</sup> , K.M. Lager <sup>a</sup> , A. Vincent, J.D. Neill <sup>a</sup> , C.C.L. Chase <sup>b</sup> and C.S. Mark <sup>b</sup> <sup>a</sup> NADC/ARS/USDA, Ames, IA, <sup>b</sup> South Dakota State University, Brookings, SD
<b>1:50 - 2:10</b>	<b>20</b>	BVDV Type 1b in Alpaca: abortion and persistent infection. Susy <b>Carman</b> <sup>1*</sup> , Murray Hazlett <sup>1</sup> , Josepha DeLay <sup>1</sup> , Nancy Carr <sup>2</sup> Animal Health Laboratory, University of Guelph, Guelph, ON, Canada <sup>1</sup> , Elginburg, ON, Canada <sup>2</sup>
<b>2:10 - 2:30</b>		Moderator: Rob Tremblay Discussion: What are the Ramifications of BVD in species Other than Bovines for BVD Control?
<b>2:30 - 3:00</b>	<b>Break</b>	<b>Sponsored by IDEXX</b>
		<b>Session 5: Economics of BVDV</b>
<b>3:00 - 3:20</b>	<b>21</b>	Management of Persistently Infected Cattle. Daniel U. <b>Thomson</b> , Ph.D., D.V.M., College of Veterinary Medicine, Kansas State University, Manhattan, KS 66506
<b>3:20 - 3:40</b>	<b>22</b>	Effects of Bovine Viral Diarrhea Virus (BVDV) Persistently Infected (PI) Calves in the Feedyard and Management of PI Calves after Initial Identification. Bill <b>Hessman</b> DVM, Haskell County Animal Hospital, Sublette, Kansas
<b>3:40 - 4:00</b>		Moderator: Robert Fulton Discussion: How can we get more information on the economics of BVD-associated diseases (in beef, dairy and feedlots)?
<b>4:00 - 4:45</b>		Panel: Final Discussion and Summary of where BVDV research needs to go and where should funds come from.
<b>4:45pm -5:00pm</b>		<b>Closing Remarks</b>